

WARWOOD TOOL COMPANY CATALOG

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WEB PAGE: www.warwoodtool.com**



**ADZE -
FOREST HOE**

ADZES

BARS

BULL PINS

CHISELS

DRIFT PINS

HAMMERS

**MANHOLE
COVER**

LIFTERS

MATTOCKS

MAULS

PICKS

PUNCHES

**RAILROAD
TRACK
TOOLS**

SLEDGES

TONGS

WEDGES

WRENCHES

GRUB HOE

**ALL AMERICAN MADE
TOP QUALITY FORGED HAND TOOLS**

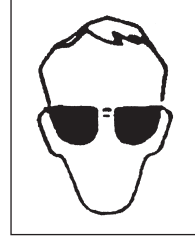
**We have extensive experience in supplying to US government agencies,
The General Service Administration and the American Railway Engineering and
Maintenance of Way Association (A.R.E.M.A). For any assistance in quoting tools to these
organizations or other tool specifications, please contact us.**

**VISIT OUR WARWOOD TOOL COMPANY WEB PAGE
www.warwoodtool.com**

WARWOOD TOOL COMPANY

PROTECT YOUR EYES WEAR SAFETY GOGGLES

OSHA Regulations 29 CFR 1910.133 requires the use of eye protection not only to workers using striking tools, but to nearby workers in the immediate work area. Similar requirements are contained in OSHA Construction Standards 29 CFR 1926.102. Mine Safety and Health Administration requires eye protection in the Mining environment 30 CFR 55.14-4, 30 CFR 56-15-4, 30 CFR 57-15-4, 30 CFR 75.1720(a) and 30 CFR 77.1710(a).



GENERAL TERMS AND CONDITIONS

ALL PREVIOUS QUOTATIONS AND PRICE LISTS ARE HEREBY WITHDRAWN AND CONSIDERED NULL AND VOID.

Payment Terms: 2% discount, 15 days from date of invoice, net 30 days.

Shipping Terms: Full freight will be allowed on shipments of 2,000 lbs. or more to any point in the Continental United States. Warwood Tool reserves the right to ship via the least expensive route.

Minimum Invoice Charge: Our minimum order and invoice charge is \$75.00 or a \$5.00 service fee is added to invoice.

Returned Goods: No merchandise is to be returned without Warwood Authorization. Returned goods, when authorized, must be returned prepaid freight. Credit will be issued at invoice price at time of shipment less 15% restocking charge. If it is necessary to recondition or repackage returned goods, additional charges will be assessed. Credit for returned goods may be applied only toward the purchase of other Warwood products. Credits cannot be applied for cash rebates.

Shortage or Damage: In the event of any shortage or damages, notify at once the delivery transportation agent. File claim properly and be certain all shortage and damaged goods are signed and noted on the freight bill at the time of delivery.

Losses and damages which occur in transit are the carrier's responsibility, and such claims should be filed promptly with the carrier.

Disclaimer: Warwood Tool Company makes no warranty, express, implied or statutory, including any implied warranty of merchantability and/or fitness for any particular purpose, with respect to any of its tools. In addition, Warwood Tool Company shall not be liable for any damages arising out of or occasioned by the selection, application, use or operation of its tools.

Specifications: Specifications and plans in this catalog include those published by the American National Standards Institute, Inc. (A.N.S.I.) and/or AREMA American Railway Engineering Maintenance of Way Association (A.R.E.A.) or AREMA and/or Federal Specifications and/or the United States Department of Commerce Simplified Practice Recommendations (heavy forged hand tools) unless otherwise specified. If ordering to American Railway Engineering Association Specifications designate AREA or AREMA Plan, Type and Grade of steel desired. Warwood Tool Company highly recommends using current AREMA Specifications when possible.

Warwood Finish: Most Warwood carbon steel tools, unless otherwise requested, are painted blue. Railroad Track Tools will be furnished per designated AREA Specifications which could be painted or unpainted depending on the year and AREA Plan or AREMA specified.

COMPANY HISTORY

Since 1854, Warwood tools have helped to *shape our nation's history*.

From coal mining tools that helped fuel the Industrial Revolution to railroad and other tools used to build the US transportation infrastructure, to our famous entrenching mattock used extensively in World Wars I and II for digging fox holes and trenches, Warwood tools have been trusted by generations of hard-working Americans.

In fact, American soldiers have relied on Warwood tools in every war since the Civil War. As a testament to our rich history, our manufacturing facility was recently featured on the History Channel's documentary *The Men Who Built America*.

It all started in Martins Ferry, Ohio when Henry Warwood founded a company making gardening and coal tools. As the company grew, it changed locations several times until settling into what is now Wheeling, West Virginia in the early part of the 20th century. Initially surrounded by bucolic farmland, a town named Warwood quickly sprang up around the manufacturing facility along the banks of the Ohio River. Warwood remains a vital neighborhood today.

ALTHOUGH MUCH HAS CHANGED SINCE 1854, OUR UNWAVERING FOCUS ON HIGH-QUALITY TOOLS REMAINS THE SAME.

- ***We are still a family-owned and -operated company.***
Our president, James Haranzo, has been with the company since 1965. As a World War II veteran, he takes great pride in producing an American-made product of the highest quality. Recognized as a civic leader, he has devoted his time and talents to numerous boards, projects and community service to strengthen both local and state government, even serving as mayor of Wheeling.
- ***We still employ hard-working Americans who take great pride in their work.***
Our employees are highly skilled and experienced at their craft. It is a great compliment that we have multiple generations from the same family working together in our factory.
- ***We still manufacture what we believe is the best quality hand forged product made in the USA.***
We don't take short cuts.

We only use the highest quality American steel. We use a time-tested, labor-intensive manufacturing process that delivers the very best hand tool available today. Working closely with our loyal customers, we have developed an extensive product line that ensures you'll find the right tool for your job.

You could certainly find a *cheaper* tool, but you'll be hard-pressed to find a *better* one.

Pick up one of our tools — feel the *quality* and *history* in your hands.

WARWOOD TOOL SALES REPRESENTATIVES

**AMVAL ASSOCIATES
53 STRAWBERRY HILL
LYNDONVILLE, VT 05851**

**PHONE: 800-639-8065
FAX: 802-626-9734**

**BAXTER-RUTHERFORD, INC. **
PO BOX 24324
920 SOUTH DORIS
SEATTLE, WA 98108**

**PHONE: 206-762-4888
FAX: 206-767-4386**

**BAXTER-RUTHERFORD, INC. **
7509 NE 47TH AVENUE
VANCOUVER, WA 98661**

**PHONE: 360-816-0435
FAX: 206-767-4386**

**CLEE & ASSOCIATES
816 BELINDA DRIVE
KELLER, TX 76248**

**PHONE: 817-379-6957
FAX: 817-379-1542**

**W.P. HAWTHORNE JR & SONS, INC.
1130 SANDALWOOD LANE
PITTSBURGH, PA 15237**

**PHONE: 412-364-7631
FAX: 412-369-9959**

**JOSEPH M. HAYDEN ASSOCIATES
836 HUNT ROAD
NEWTOWN SQUARE, PA 19073**

**PHONE: 610-356-8364
FAX: 610-359-1272**

**GEORGE S. PRICE ASSOCIATES **
553 EAST 1050 NORTH
OREM, UT 84097**

**PHONE: 801-607-2018
FAX: 801-607-5729**

**R & B SALES
6871 LEE WAY
LONG BEACH, CA 90815**

**PHONE: 562-596-9191
FAX: 562-493-3168**

**SURPLESS, DUNN & COMPANY **
2150 WEST LAWRENCE AVENUE
CHICAGO, IL 60615**

**PHONE: 773-878-8300
FAX: 773-878-8534**

***** INDICATES WARWOOD TOOL WAREHOUSE***

HEAVY STRIKING TOOLS

INTRODUCTION. Striking and struck tools are made in various types and sizes with varying degrees of hardness and different configurations for specific purposes. They should be selected for their intended use and used only for those purposes. Proper use of practically all types involves certain basic rules:

- (1) Always wear safety goggles when using striking or struck tools, or when near someone else who is doing so.
- (2) A hammer blow should always be struck squarely with the hammer striking face parallel with the surface being struck. Always avoid glancing blows and over and under strikes.
- (3) The striking face of the hammer should have a diameter approximately 3/8" larger than the struck face of the tool.
- (4) Never use one hammer to strike another hammer.
- (5) Never use a striking or struck tool with loose or damaged handle.
- (6) Discard any striking or struck tool if tool shows dents, cracks, chips, mushrooming, or excessive wear.
- (7) Never redress striking tools. Cutting edges of struck tools may be returned to the original shape with a file or whetstone.

Blacksmiths' or Engineers' Hammers and Sledges, Double Face

DESCRIPTION. This is the most commonly used type of sledge hammer and is made in slightly different head configurations. All patterns have crowned striking faces with beveled edges.

PROPER USES. Sledges are designed for general sledging operations in striking wood, metal, concrete or stone. Common uses are drifting heavy timbers and striking spikes, cold chisels, rock drills and hardened nails, and wood splitting wedges.

ABUSE/MISUSE. NEVER use a sledge to strike a hammer, sledge, or maul. NEVER use a sledge with a loose or damaged handle.

Woodchoppers' Mauls

DESCRIPTION. Woodchoppers' mauls have a round, bevel-edged striking face with a splitting edge opposite.

PROPER USES. These tools are designed for splitting wood. Also, they are used in conjunction with wood splitting wedges by first making a notch with the splitting edge and then driving the wedge with the maul's striking face.

ABUSE/MISUSE. NEVER use this tool in striking concrete. NEVER drive one maul by striking it with another maul, sledge or other striking tool.

Hand Drilling Hammers

DESCRIPTION. These heavy, short-handled hammers are made in slightly varying configurations. The double-faced head has crowned and beveled striking faces.

PROPER USES. These hammers are designed for use with chisels, punches, star drills and hardened nails. Their design permits heavy blows with limited

swing – especially advantageous in restricted working areas.

ABUSE/MISUSE. NEVER use these tools for sledging or stone work.

Stone Sledges and Spalling Hammers

DESCRIPTION. These are stone masons' tools. The sledge usually has a crowned, oval striking face with a napping face opposite. The spalling hammer has a beveled striking face.

PROPER USES. Stone sledges are designed for breaking up stone and concrete. The spalling hammers are designed for cutting and shaping stone and concrete. The pein ends of stone sledges and spalling hammers are intended specifically for making score lines in stone and masonry.

ABUSE/MISUSE. NEVER use these tools for striking metal. NEVER use pein ends of stone sledges or spalling hammers for breaking up stone or masonry. They are for marking and scoring purposes only.

Blacksmiths' Hand Hammers and Cross Pein Sledges

DESCRIPTION. These heavy-duty hammers are designed for use in striking metal. Striking face is crowned with beveled edge.

PROPER USES. The striking face is designed for general blacksmith work in striking unhardened metal. The peins are used for shaping (fullering) and bending unhardened metal.

ABUSE/MISUSE. NEVER use a sledge to strike a hammer, sledge or maul.



PROTECT YOUR EYES ...

When using ...
or in a striking tool zone

Wear Safety Goggles

STRUCK TOOLS

INTRODUCTION. The striking and struck faces of tools are designed to direct the force of blows toward the center or body of the tool. Blows struck off center are not directed toward the body of the tool where they can be absorbed, but rather travel directly along the sides of the tool where there is insufficient back-up material. The net effect is shearing rather than cushioning which is dangerous.

The angle and thickness of the cutting edges of tools are designed to give maximum cut and durability. When the cutting edge becomes dull, not only does the cutting ability decrease, but the durability is drastically reduced. Many failures are caused by dullness.

Wood Splitting Wedges

PROPER USES. Wood splitting wedges are designed for splitting logs, firewood, staves and other wood products. Always use a woodchoppers' maul or an axe to make a starting notch. Wedges should be struck with a sledge or woodchoppers' maul having a larger striking face than the struck face of the wedge.

Hot Chisels

PROPER USES. Hot chisels are designed for cutting hot steel. They are very similar to blacksmiths' cold chisels except that the cutting edge or bit is wider and the blade is thinner.

ABUSE/MISUSE. NEVER use hot chisels for cutting cold metal, stone or concrete. NEVER use a dull chisel or one with a mushroomed head. If cutting edge is dull it may be redressed.

Cold Chisels

PROPER USES. Cold chisels have a cutting edge at one end for cutting, shaping and removing metal softer than the cutting edge itself and a struck face on the opposite end.

ABUSE/MISUSE. NEVER use cold chisels for cutting or splitting stone or concrete. NEVER use a dull chisel or one with a mushroomed head.

Blacksmiths' Punches - Round and Backing Out

DESCRIPTION. The punch end of the round punch is tapered from point to body, whereas the punch end of the backing out punch is the same diameter from point to body. Both types are fitted with handles.

PROPER USES. Blacksmiths' round punches are designed for drifting holes, aligning and driving pins. Blacksmiths' backing out punches are designed for backing out bolts, rivets and pins. Do not use for grouser pin installation or removal.

ABUSE/MISUSE. NEVER use a punch with a mushroomed struck face or a chipped or deformed point.

WHEN TO REPLACE. Discard any punch if it is bent or shows dents, cracks, chips, mushrooming or excessive wear. If point end is deformed, it may be redressed.

NOTE:

Copies of the booklet "**Hand Tool Safety—Guide to Selection and Proper Use**" can be obtained from Hand Tools Institute, 25 North Broadway, Tarrytown, NY 10591.

Proper Use - Abuse/Misuse Of Railroad Track Tools

All railroad track tools, including Hot Cutters, Track Chisels, Crow Bars, Sledges, Picks, Spike Mauls, Spike Pullers and Wrenches have a specific use for a specific job.

Such tools are not to be abused and are not to be used for purposes other than their intended use. For example, railroad spike mauls are specifically intended to be used for driving railroad spikes only. Do not use a spike maul for grouser pin installation or removal. Uses of railroad track tools for other than their intended use can result in serious bodily injury.

Tools should be inspected before being used. Discard any striking or struck tool immediately at the first sign of chipping, mushrooming, or cracking. Never use a tool with a loose or damaged handle.

Safety goggles or equivalent eye protection conforming to American National Standard Practice for Occupational and Educational Eye and Face Protection, ANSI Z87.1-1979, should be worn by the user and all persons in the immediate area where any striking tool is being used, to avoid eye injury from flying objects.

A heavy striking-tool blow should always be struck squarely with the striking face parallel with the surface being struck. Always avoid glancing blows and over and under strikes.

No area, section, or portion of the striking tool shall be ground, welded, re-heat treated, or otherwise altered from the original condition as furnished by the manufacturer.

DO NOT EVER STRIKE THE HEEL OF A CLAW BAR WITH ANOTHER TOOL!

USE ONLY TO REMOVE SPIKE AFTER USING A SPIKE LIFTER FIRST TO FREE IT UP!

RECOMMENDED PUBLICATIONS ON THE USE OF RAILROAD TRACK TOOLS

If you are not familiar with the proper use of various railroad track tools, we urge you to read the latest edition of [The Track Cyclopedia](#), which is compiled and edited in cooperation with the Association of American Railroads. Other recommended publications on the use of track tools are:

[TRACK FOREMAN'S TRAINING PROGRAM](#) — Lesson No. 3, "Track Tools and Basic Equipment"

[TRACK FOREMAN'S TRAINING PROGRAM](#) — Lesson No. 21, "Safety"

Meets Track Safety Standards Effective November 1, 1982.

The above and other important track educational material can be procured by writing:

The Railway Educational Bureau, 1809 Capitol Avenue, Omaha, NE 68102

The National Railroad Construction & Maintenance Association (NRC)

500 New Jersey Avenue NW, Suite 400, Washington, DC 20001 • website at www.nrcma.org

We also highly recommend [Safety Requirements for Heavy Striking Tools](#) published by A.N.S.I., which offers important safety instructions on the use of striking tools. This publication can be procured by writing:

American National Standards Institute, Inc., 1430 Broadway, New York, NY 10018

You can request additional information from The Hand Tools Institute, New York, NY 10017

TRACK TOOLS

Warwood Tool manufactures to American National Standards Institute, Inc. (A.N.S.I.) and to various American Railway Engineering Association Track Tool Specifications, as well as to a number of International Track Tool Specifications. Most of these items can be found in our Catalog and Price List. If ordering to American Railway Engineering Association Specifications, please designate on your order the plan and year number. If ordering to current Track Tool Specifications Warwood Tool Company recommends the usage of track tools to these latest AREMA Specifications if possible.

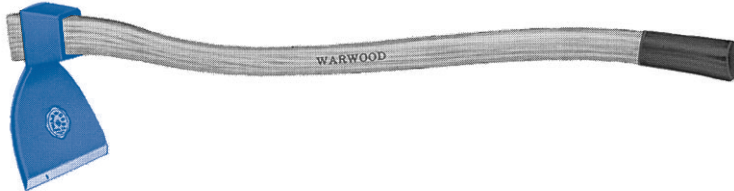
Plan Number	Description	Grades of Steel	Page	How to Specify in Warwood Numbers
1-02	Clay Pick	Carbon	9	No. 30, Plan 1 Carbon
2-02	Tamping Pick	Carbon	9	No. 2-T, Plan 2 Carbon
3-08	Spike Maul	Grade B Alloy	22	No. 3-T-A-B Alloy B Plan-3
4-13	Track Wrenches	Carbon	23	No. 4-T-SE Single End Plan 4 No. 4-T-DE Double End Plan 4
5-02	Lining Bars	Carbon	16/17	Nos. 160, 161 or 162 Pinch, Wedge, or Diamond Point Plan 5
6-02	Rail Tongs	Carbon	23	No. 6-T, Plan 6-02
7-10	Tie Tongs	Carbon	23	No. 7-T, Plan 7-93
8-10	Timber Tongs	Carbon	23	No. 8-T, Plan 8-93
9-10	Spike Puller	Carbon	23	No. 9-T, Plan 9-94
11-10	Claw Bar	Carbon	24	No. 163, Plan 11 -39, 11-62, 11-97
12-07	Track Adze	Carbon	8	No. 12-T Carbon, Plan 12
12-A-07	Carpenter Adze	Carbon	8	No. 12-T-C Carbon
13-08	Double Face Sledge	Grade B Alloy	15	No. 534-A-B Alloy B, Plan 13
14-02	Chisel End Tamping Bar	Carbon	21	No. 14-T Plan 14
17-08	Track Chisel	Grade B Alloy	24	No. 17-T-A-B Alloy B, Plan 17
18-11	Tie Plug Punch	Grade B Alloy	24	No. 18-T-A-B Alloy, Plan 18
19-11	Round Track Punch	Grade B Alloy	24	No. 19-T-A-B Alloy, Plan 19
35-08	Nut Cutter	Grade B Alloy	24	No. 17-T-A-B-S Alloy B, Plan 35






HELP AVAILABLE

Warwood Tool Company has inhouse people to help you interpret any and all of your railroad specifications. All inquiries can be promptly handled by faxing us at (304) 277-1420, by calling (304) 277-1414 or by email: sales@warwoodtool.com.

WARWOOD TOOL COMPANY







FORGED STEEL
HAND TOOLS

CAT. No.	PRODUCT	STOCK NO.	WT. EACH	NET
	 <p>FOREST ADZE HOE</p> <p>Heads and Handles Packed Separately</p>			
FH	Head only—without handle (6 ¹ / ₄ " Blade).....	00060	4 ³ / ₄ lb.	
HFH	Complete with 34" long hickory handle—packed separately.....	00061	4 ³ / ₄ lb.	
	Slip on handle only—34" ADZE Handle.....	90015	1 ¹ / ₂ lb.	
	High Carbon Steel			

	ITEM	STOCK NO.	WT.	TOOL LGTH.	EYE No.	NET
 <p>NO. 20 GRUB HOE</p>	<p><i>Catalog No. 20</i></p> <p>High Carbon Steel – Heat Treated</p> <p>Tool only</p> <p>with 36" Handle</p> <p>Slip on handle only.....</p>	<p>02020 4</p> <p>02021 1</p> <p>90027 8</p>	<p>3¹/₂ lb.</p> <p>3¹/₂ lb.</p>	<p>11¹/₄"</p> <p>11¹/₄"</p>	<p>8</p> <p>8</p>	
 <p>NO. 1 CUTTER MATTOCK</p>	<p><i>Catalog No. 1</i></p> <p>High Carbon Steel – Heat Treated</p> <p>Tool only</p> <p>36" Handled Tool</p> <p>Tool only</p> <p>36" Handled Tool</p> <p>Tool only</p> <p>36" Handled Tool</p> <p>Slip on 36" handle only.....</p> <p>Slip on 36" handle only.....</p>	<p>00110</p> <p>00111</p> <p>00120</p> <p>00121</p> <p>00130</p> <p>00131</p> <p>90020</p> <p>90022*</p>	<p>3 lb.*</p> <p>3 lb.*</p> <p>5 lb.</p> <p>5 lb.</p> <p>6 lb.</p> <p>6 lb.</p> <p>2¹/₄ lb.</p> <p>1³/₄ lb.</p>	<p>13"</p> <p>13"</p> <p>15³/₄"</p> <p>15³/₄"</p> <p>16¹/₂"</p> <p>16¹/₂"</p>	<p>7</p> <p>7</p> <p>6</p> <p>6</p> <p>6</p> <p>6</p>	
 <p>NO. 2 PICK MATTOCK</p>	<p><i>Catalog No. 2</i></p> <p>High Carbon Steel – Heat Treated</p> <p>Tool only</p> <p>36" Handled Tool</p> <p>Tool only</p> <p>36" Handled Tool</p> <p>Slip on 36" handle only.....</p>	<p>00210</p> <p>00211</p> <p>00220</p> <p>00221</p> <p>90020</p>	<p>5 lb.</p> <p>5 lb.</p> <p>6 lb.</p> <p>6 lb.</p> <p>2¹/₄ lb.</p>	<p>19"</p> <p>19"</p> <p>20"</p> <p>20"</p>	<p>6</p> <p>6</p> <p>6</p> <p>6</p>	
 <p>NO. 12-T TRACK ADZE</p> <p>AREMA PLAN 12-07</p>	<p><i>Catalog No. 12-T</i> (4"x9" Blade)</p> <p>High Carbon Steel – Heat Treated</p> <p>Tool only.....</p> <p>34" Handled Tool</p> <p>Slip on 34" handle only.....</p>	<p>01200</p> <p>01201</p> <p>90015</p>	<p>6 lb.</p> <p>6 lb.</p> <p>1¹/₂ lb.</p>	<p>12"</p> <p>12"</p>	<p>11</p> <p>11</p>	
 <p>NO. 12-T-C CARPENTER ADZE</p> <p>AREMA PLAN 12-A-07</p>	<p><i>Catalog No. 12-T-C</i> (5"x5⁵/₈" Blade)</p> <p>High Carbon Steel – Heat Treated</p> <p>Tool only.....</p> <p>34" Handled Tool</p> <p>Slip on 34" handle only.....</p>	<p>01220</p> <p>01221</p> <p>90015</p>	<p>5 lb.</p> <p>5 lb.</p> <p>1¹/₂ lb.</p>	<p>9¹/₄"</p> <p>9¹/₄"</p>	<p>11</p> <p>11</p>	


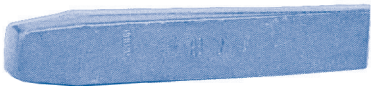



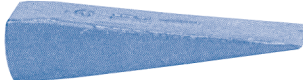
WARWOOD TOOL COMPANY

FORGED STEEL
HAND TOOLS

	ITEM	STOCK NO.	WT.	TOOL LGTH.	EYE No.	NET
 <p>NO. 30 RAILROAD CLAY PICK Point and Chisel Ends</p>	<i>Catalog No. 30</i> High Carbon Steel – Heat Treated					
	Tool only	03010	5 lb.	21"	6	
	36" Handled Tool	03011	5 lb.	21"	6	
	Tool only	03020	6 lb.	23"	6	
	36" Handled Tool	03021	6 lb.	23"	6	
	Tool only AREMA PLAN 1-02	03030	7 lb.	25"	6	
	36" Handled Tool	03031	7 lb.	25"	6	
	Tool only	03040	8 lb.	26"	6	
	36" Handled Tool	03041	8 lb.	26"	6	
	Tool only	03050	9 lb.	27"	6	
	36" Handled Tool	03051	9 lb.	27"	6	
	Slip on 36" handle only.....	90020	2 1/4 lb.			
 <p>NO. 32 DOUBLE SQUARE POINT CLAY PICK</p>	<i>Catalog No. 32</i> High Carbon Steel – Heat Treated					
	Tool only	03220	7 lb.	25"	6	
	36" Handled Tool	03221	7 lb.	25"	6	
	Slip on handle	90020	2 1/4 lb.			
 <p>NO. 2-T TAMPING PICK "V"</p>	<i>Catalog No. 2-T</i> AREMA PLAN 2-02 High Carbon Steel – Heat Treated					
	Tool only	02000	8 lb.	24 1/2"	6	
	36" Handled Tool	02001	8 lb.	24 1/2"	6	
	Slip on handle only.....	90020	2 1/4 lb.			
 <p>NO. 40 CONTRACTOR'S PICK Double Round Point</p>	<i>Catalog No. 40</i> High Carbon Steel – Heat Treated					
	Tool only	04010	8 lb.	30"	6	
	36" Handled Tool	04011	8 lb.	30"	6	
	Slip on 36" handle only.....	90020	2 1/4 lb.			
 <p>NO. 49 DRIFTING PICK</p>	<i>Catalog No. 49</i> High Carbon Steel – Heat Treated					
	Tool only	04910	4 lb.	21"	10	
	36" Handled Tool	04911	4 lb.	21"	10	
	Tool only	04920	5 lb.	25"	10	
	36" Handled Tool	04921	5 lb.	25"	10	
	36" Handle only.....	90013	2 lb.			
 <p>NO. 501 COAL PICK Cutting Pattern</p>	<i>Catalog No. 501</i> High Carbon Steel – Heat Treated					
	Tool only	50130	3 lb.	17"	10	
	36" Handled Tool	50131	3 lb.	17"	10	
	Tool only	50140	3 1/2 lb.	18"	10	
	36" Handled Tool	50141	3 1/2 lb.	18"	10	
	36" Handle only.....	90013	2 lb.			

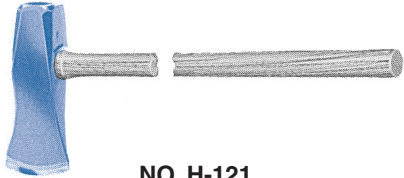
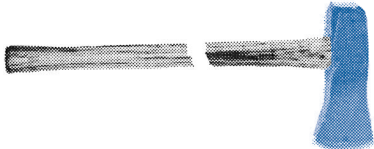
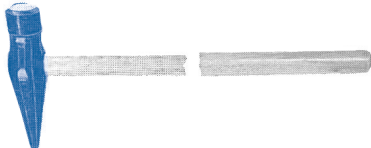



WARWOOD TOOL COMPANY

FORGED STEEL
HAND TOOLS

	ITEM	STOCK NO.	WT.	LGTH.	TOOL HEAD	NET
 NO. 80 SQUARE HEAD WEDGE	<i>Catalog No. 80</i> High Carbon Steel	08010	3 lb.	7½"	1⅝" Sq.	
		08020	4 lb.	8½"	1⅞" Sq.	
		08030	5 lb.	9"	1½" Sq.	
		08040	6 lb.	10"	1½" Sq.	
		08050	8 lb.	11"	1⅝" Sq.	
 NO. 95 EXPANSION WEDGE	<i>Catalog No. 95</i> High Carbon Steel	09510	8 lb.	14"	1½"x1¼"	
 NO. 100 FALLING WEDGE	<i>Catalog No. 100</i> High Carbon Steel	10010	5 lb.	10"	4¾"	
 NO. 400 JIMMY WEDGE	<i>Catalog No. 400</i> High Carbon Steel	40010	2 lb.	10"	½"x1½"	
		40020	3½ lb.	14"	½"x2"	
				10" - 1½" BIT 14" - 2" BIT		
 NO. 702 FOUNDRY WEDGE	<i>Catalog No. 702</i> High Carbon Steel Unpainted	70210	¾ lb.	6"	¾"x1⅛"	
				1⅞" BIT		
 NO. 703 JOINT BREAKING WEDGE	<i>Catalog No. 703</i> High Carbon Steel	70300	¼ lb.	2"	¼"x¾"	
		70310	½ lb.	3"	⅝"x7/8"	
		70320	½ lb.	4"	⅝"x1¼"	
		70330	¾ lb.	6"	½"x1¼"	

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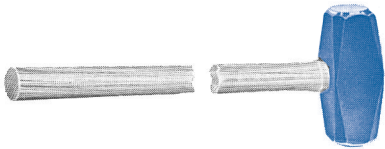
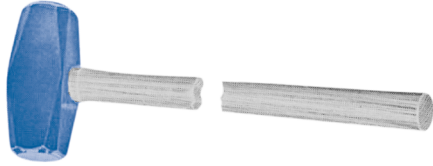
FORGED STEEL
HAND TOOLS

	ITEM	STOCK NO.	WT.	EYE SIZE	TOOL LGTH.	NET
 <p>NO. H-121 WOOD CHOPPERS MAUL Oregon Oval Eye</p>	<i>Catalog No. H-121</i>					
	High Carbon Steel – Heat Treated					
	Tool only	12110	6 lb.	1"x1 ³ / ₈ "	8 ¹ / ₂ "	
	32" Handled Tool	12111	6 lb.	1"x1 ³ / ₈ "	8 ¹ / ₂ "	
	Replacement Handle.....	90002	1 ³ / ₄ lb.			
 <p>NO. H-122 WOOD CHOPPERS MAUL Oregon Axe Eye</p>	<i>Catalog No. H-122</i>					
	Double Bit Axe Eye					
	High Carbon Steel – Heat Treated					
	Tool only	12210	6 lb.	7/ ₈ "x2 ¹ / ₈ "	8 ¹ / ₂ "	
	32" Handled Tool	12211	6 lb.	7/ ₈ "x2 ¹ / ₈ "	8 ¹ / ₂ "	
	Tool only	12220	8 lb.	7/ ₈ "x2 ¹ / ₈ "	9 ¹ / ₈ "	
	32" Handled Tool	12221	8 lb.	7/ ₈ "x2 ¹ / ₈ "	9 ¹ / ₈ "	
	Replacement Handle.....	90042	1 ³ / ₄ lb.			
 <p>NO. H-123 SHIP OR TOP MAUL</p>	<i>Catalog No. H-123</i>					
	High Carbon Steel – Heat Treated					
	Tool only	12310	5 lb.	1"x1 ³ / ₈ "	8 ³ / ₄ "	
	32" Handled Tool	12311	5 lb.	1"x1 ³ / ₈ "	8 ³ / ₄ "	
	36" Safety Grip Handled Tool	12312	5 lb.	1"x1 ³ / ₈ "	8 ³ / ₄ "	
	34" Fiberglass Handled Tool.....	12315	5 lb.	1"x1 ³ / ₈ "	8 ³ / ₄ "	
	Replacement Handle.....	90002	1 ³ / ₄ lb.			
	Replacement Fiberglass Handle	90024	2 lb.			
	36" Safety Grip Handle.....	90026	2 lb.			
 <p>NO. H-124 SHORT HAND DRILLING HAMMER</p>	<i>Catalog No. H-124</i>					
	High Carbon Steel – Heat Treated					
	Tool only	12410	2 lb.	5/ ₈ "x7/ ₈ "	3 ¹ / ₂ "	
	10 ¹ / ₂ " Handled Tool	12411	2 lb.	5/ ₈ "x7/ ₈ "	3 ¹ / ₂ "	
	Tool only	12420	3 lb.	3/ ₄ "x1"	4"	
	10 ¹ / ₂ " Handled Tool	12421	3 lb.	3/ ₄ "x1"	4"	
	Tool only	12430	4 lb.	3/ ₄ "x1"	4 ¹ / ₂ "	
	10 ¹ / ₂ " Handled Tool	12431	4 lb.	3/ ₄ "x1"	4 ¹ / ₂ "	
	Replacement Handle.....	90010	1 ¹ / ₂ lb.			
 <p>NO. H-124-S DRIVING HAMMER CROSS PEIN</p>	<i>Catalog No. H-124-S</i>					
	High Carbon Steel – Heat Treated					
	Tool only	12440	2 ¹ / ₂ lb.	7/ ₈ "x1 ¹ / ₄ "	5"	
	16" Handled Tool	12441	2 ¹ / ₂ lb.	7/ ₈ "x1 ¹ / ₄ "	5"	
	Replacement Handle.....	90011	1 ¹ / ₂ lb.			
 <p>NO. H-124-SS DRIVING HAMMER STRAIGHT PEIN</p>	<i>Catalog No. H-124-SS</i>					
	High Carbon Steel – Heat Treated					
	Tool only	12450	3 ¹ / ₂ lb.	7/ ₈ "x1 ¹ / ₄ "	6"	
	16" Handled Tool	12451	3 ¹ / ₂ lb.	7/ ₈ "x1 ¹ / ₄ "	6"	
	16" Replacement Handle	90011	1 ¹ / ₂ lb.			

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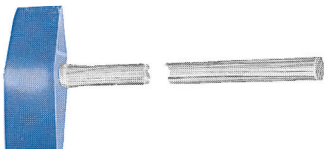
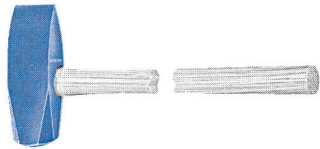
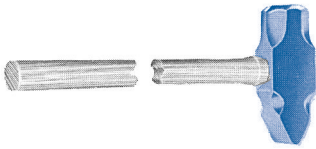
FORGED STEEL
HAND TOOLS

	ITEM	STOCK NO.	WT.	EYE SIZE	TOOL LGTH.	NET
 <p>NO. H-124-TRG DRILLING HAMMER</p>	<i>Catalog No. H-124-TRG</i>					
	High Carbon Steel – Heat Treated					
	Tool only.....	12470	1 1/4 lb.	7/8"x1 1/4"	5"	
	16" Handled Tool.....	12471	1 1/4 lb.	7/8"x1 1/4"	5"	
	Replacement Handle.....	90011	1/2 lb.			
 <p>NO. H-126 SHORT STRIKING HAMMER Oregon Pattern</p>	<i>Catalog No. H-126</i>					
	High Carbon Steel – Heat Treated					
	Tool only.....	12620	4 lb.	3/4"x1"	5"	
	16" Handled Tool.....	12621	4 lb.	3/4"x1"	5"	
	Tool only.....	12630	6 lb.	1"x1 3/8"	5 3/8"	
	32" Handled Tool.....	12631	6 lb.	1"x1 3/8"	5 5/8"	
	Tool only.....	12640	8 lb.	1"x1 3/8"	6 1/4"	
	32" Handled Tool.....	12641	8 lb.	1"x1 3/8"	6 1/4"	
	Tool only.....	12660	12 lb.	1"x1 3/8"	7 1/4"	
	36" Handled Tool.....	12661	12 lb.	1"x1 3/8"	7 1/4"	
	Replacement 16" Handle.....	90007	1 lb.			
	Replacement 32" Handle.....	90002	1 3/4 lb.			
	Replacement 36" Handle.....	90003	2 lb.			
	16" Safety Grip Handled Tool.....	12622	4 lb.	3/4"x1"	5"	
	32" Safety Grip Handled Tool.....	12632	6 lb.	1"x1 3/8"	5 3/8"	
	32" Safety Grip Handled Tool.....	12642	8 lb.	1"x1 3/8"	6 1/4"	
	36" Safety Grip Handled Tool.....	12662	12 lb.	1"x1 3/8"	7 1/4"	
	Replacement 16" Safety Grip Handle.....	90025	1 lb.			
	Replacement 32" Safety Grip Handle.....	90040	2 lb.			
	Replacement 36" Safety Grip Handle.....	90026	2 lb.			
	16" Fiberglass Handled Tool.....	12625	4 lb.	3/4"x1"	5"	
	34" Fiberglass Handled Tool.....	12635	6 lb.	1"x1 3/8"	5 3/8"	
	34" Fiberglass Handled Tool.....	12645	8 lb.	1"x1 3/8"	6 1/4"	
	34" Fiberglass Handled Tool.....	12665	12 lb.	1"x1 3/8"	7 1/4"	
	Replacement 16" Handle.....	90023	1 lb.			
	Replacement 34" Handle.....	90024	2 lb.			
 <p>NO. H-127 LONG STRIKING HAMMER Nevada Pattern</p>	<i>Catalog No. H-127</i>					
	High Carbon Steel – Heat Treated					
	Tool only.....	12720	4 lb.	3/4"x1"	5 3/4"	
	16" Handled Tool.....	12721	4 lb.	3/4"x1"	5 3/4"	
	Tool only.....	12730	6 lb.	1"x1 3/8"	6 1/2"	
	32" Handled Tool.....	12731	6 lb.	1"x1 3/8"	6 1/2"	
	Tool only.....	12740	8 lb.	1"x1 3/8"	7 1/4"	
	32" Handled Tool.....	12741	8 lb.	1"x1 3/8"	7 1/4"	
	Tool only.....	12760	12 lb.	1"x1 3/8"	8"	
	36" Handled Tool.....	12761	12 lb.	1"x1 3/8"	8"	
	Tool only.....	12770	16 lb.	1"x1 3/8"	8 1/2"	
	36" Handled Tool.....	12771	16 lb.	1"x1 3/8"	8 1/2"	
	Replacement 16" Handle.....	90007	1 lb.			
	Replacement 32" Handle.....	90002	1 3/4 lb.			
	Replacement 36" Handle.....	90003	2 lb.			
	16" Safety Grip Handled Tool.....	12722	4 lb.	3/4"x1"	5 3/4"	
	32" Safety Grip Handled Tool.....	12732	6 lb.	1"x1 3/8"	6 1/2"	
	32" Safety Grip Handled Tool.....	12742	8 lb.	1"x1 3/8"	7 1/4"	
	36" Safety Grip Handled Tool.....	12762	12 lb.	1"x1 3/8"		
	Replacement 16" Safety Grip Handle.....	90025	1 lb.			
	Replacement 32" Safety Grip Handle.....	90040	2 lb.			
	Replacement 36" Safety Grip Handle.....	90026	2 lb.			
	16" Fiberglass Handled Tool.....	12725	4 lb.	3/4"x1"	5 3/4"	
	34" Fiberglass Handled Tool.....	12735	6 lb.	1"x1 3/8"	6 1/2"	
	34" Fiberglass Handled Tool.....	12745	8 lb.	1"x1 3/8"	7 1/4"	
	34" Fiberglass Handled Tool.....	12765	12 lb.	1"x1 3/8"	8"	
	Replacement 16" Handle.....	90023	1 lb.			
	Replacement 34" Handle.....	90024	2 lb.			

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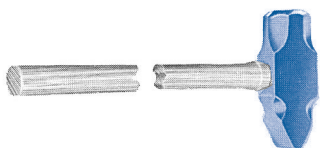
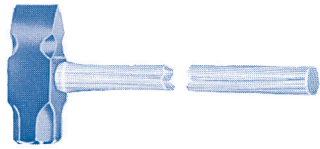

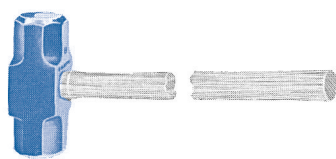
FORGED STEEL
HAND TOOLS

	ITEM	STOCK NO.	WT.	EYE SIZE	TOOL LGTH.	NET
 <p>NO. H-128 MASON HAMMER</p>	<i>Catalog No. H-128</i>					
	High Carbon Steel – Heat Treated					
	Tool only	12810	3 lb.	5/8" x 1 1/8"	6"	
	16" Handled Tool	12811	3 lb.	5/8" x 1 1/8"	6"	
	Tool only	12820	4 lb.	5/8" x 1 1/8"	6 3/4"	
	16" Handled Tool	12821	4 lb.	5/8" x 1 1/8"	6 3/4"	
	Tool only	12830	6 lb.	5/8" x 1 1/8"	7 3/4"	
	16" Handled Tool	12831	6 lb.	5/8" x 1 1/8"	7 3/4"	
	Replacement Handle	90008	1 lb.			
 <p>NO. H-129 SPALLING HAMMER</p>	<i>Catalog No. H-129</i>					
	High Carbon Steel – Heat Treated					
	Tool only	12910	4 lb.	3/4" x 1"	6"	
	16" Handled Tool	12911	4 lb.	3/4" x 1"	6"	
	Tool only	12930	8 lb.	1" x 1 3/8"	7 3/4"	
	32" Handled Tool	12931	8 lb.	1" x 1 3/8"	7 3/4"	
	Replacement 16" Handle	90007	1 lb.			
	Replacement 36" Handle	90003	2 lb.			
	16" Safety Grip Handled Tool	12912	4 lb.	3/4" x 1"	6"	
	32" Safety Grip Handled Tool	12932	8 lb.	1" x 1 3/8"	6"	
	Replacement 16" Safety Grip Handle	90025	1 lb.			
	Replacement 32" Safety Grip Handle	90040	2 lb.			
	Replacement 36" Safety Grip Handle	90026	2 lb.			
	16" Fiberglass Handled Tool	12915	4 lb.	3/4" x 1"	6"	
	34" Fiberglass Handled Tool	12935	8 lb.	1" x 1 3/8"	7 3/4"	
	Replacement 16" Fiberglass Handle	90023	3/4 lb.			
	Replacement 34" Fiberglass Handle	90024	2 lb.			
 <p>NO. H-131 STONE SLEDGE</p>	<i>Catalog No. H-131</i>					
	High Carbon Steel – Heat Treated					
	Tool only	13110	6 lb.	1" x 1 3/8"	6 1/4"	
	32" Handled Tool	13111	6 lb.	1" x 1 3/8"	6 1/4"	
	Tool only	13120	8 lb.	1" x 1 3/8"	7 1/4"	
	32" Handled Tool	13121	8 lb.	1" x 1 3/8"	7 1/4"	
	Tool only	13140	12 lb.	1" x 1 3/8"	8 1/4"	
	36" Handled Tool	13141	12 lb.	1" x 1 3/8"	8 1/4"	
	Tool only	13150	16 lb.	1" x 1 3/8"	9 1/4"	
	36" Handled Tool	13151	16 lb.	1" x 1 3/8"	9 1/4"	
	Replacement 32" Handle	90002	1 3/4 lb.			
	Replacement 36" Handle	90003	2 lb.			
	32" Safety Grip Handled Tool	13112	6 lb.	1" x 1 3/8"	6 1/4"	
	32" Safety Grip Handled Tool	13122	8 lb.	1" x 1 3/8"	7 1/4"	
	36" Safety Grip Handled Tool	13142	12 lb.	1" x 1 3/8"	8 1/4"	
	36" Safety Grip Handled Tool	13152	16 lb.	1" x 1 3/8"	9 1/4"	
	Replacement 32" Safety Grip Handle	90040	2 lb.			
	Replacement 36" Safety Grip Handle	90026	2 lb.			
	34" Fiberglass Handled Tool	13125	8 lb.	1" x 1 3/8"	7 1/4"	
	34" Fiberglass Handled Tool	13145	12 lb.	1" x 1 3/8"	8 1/4"	
	34" Fiberglass Handled Tool	13155	16 lb.	1" x 1 3/8"	9 1/4"	
	Replacement 34" Fiberglass Handle	90024	2 lb.			
 <p>NO. H-132 CROSS PEIN SLEDGE</p>	<i>Catalog No. H-132</i>					
	High Carbon Steel – Heat Treated					
	Tool only	13210	2 lb.	3/4" x 1"	4 5/8"	
	16" Handled Tool	13211	2 lb.	3/4" x 1"	4 5/8"	
	Tool only	13220	2 1/2 lb.	3/4" x 1"	5"	
	16" Handled Tool	13221	2 1/2 lb.	3/4" x 1"	5"	
	Tool only	13230	3 lb.	3/4" x 1"	5 1/4"	
	16" Handled Tool	13231	3 lb.	3/4" x 1"	5 1/4"	
	Tool only	13240	4 lb.	3/4" x 1"	6"	
	16" Handled Tool	13241	4 lb.	3/4" x 1"	6"	
	Tool only	13250	6 lb.	1" x 1 3/8"	6 1/2"	
	32" Handled Tool	13251	6 lb.	1" x 1 3/8"	6 1/2"	
	Tool only	13260	8 lb.	1" x 1 3/8"	7"	
	32" Handled Tool	13261	8 lb.	1" x 1 3/8"	7"	
	Tool only	13270	12 lb.	1" x 1 3/8"	8"	
	36" Handled Tool	13271	12 lb.	1" x 1 3/8"	8"	
	Replacement 16" Handle	90007	1 lb.			
	Replacement 32" Handle	90002	1 3/4 lb.			
	Replacement 36" Handle	90003	2 lb.			

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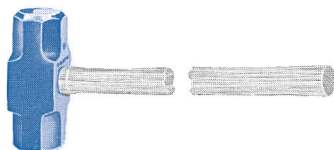
WARWOOD TOOL COMPANY

FORGED STEEL
HAND TOOLS

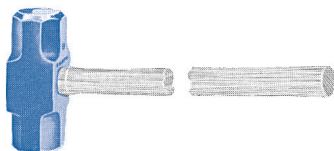
	ITEM	STOCK NO.	WT.	EYE SIZE	TOOL LGTH.	NET
 <p>NO. H-132 CROSS PEIN SLEDGE</p>	<i>Catalog No. H-132</i> 16" Safety Grip Handled Tool 16" Safety Grip Handled Tool 16" Safety Grip Handled Tool 16" Safety Grip Handled Tool 32" Safety Grip Handled Tool 32" Safety Grip Handled Tool 36" Safety Grip Handled Tool Replacement 16" Safety Grip Handle..... Replacement 36" Safety Grip Handle.....	13212 13222 13232 13242 13252 13262 13272 90025 90026	2 lb. 2 1/2 lb. 3 lb. 4 lb. 6 lb. 8 lb. 12 lb. 1 lb. 2 lb.	3/4"x1" 3/4"x1" 3/4"x1" 3/4"x1" 1"x1 3/8" 1"x1 3/8" 1"x1 3/8" 1"x1 3/8" 1"x1 3/8"	4 5/8" 5" 5 1/4" 6" 6 1/2" 7" 8" 8" 8"	
	16" Fiberglass Handled Tool..... 16" Fiberglass Handled Tool..... 16" Fiberglass Handled Tool..... 16" Fiberglass Handled Tool..... 34" Fiberglass Handled Tool..... 34" Fiberglass Handled Tool..... 34" Fiberglass Handled Tool..... Replacement 16" Fiberglass Handle Replacement 34" Fiberglass Handle.....	13215 13225 13235 13245 13255 13265 13275 90023 90024	2 lb. 2 1/2 lb. 3 lb. 4 lb. 6 lb. 8 lb. 12 lb. 3/4 lb. 2 lb.	3/4"x1" 3/4"x1" 3/4"x1" 3/4"x1" 1"x1 3/8" 1"x1 3/8" 1"x1 3/8" 1"x1 3/8" 1"x1 3/8"	4 5/8" 5" 5 1/4" 6" 6 1/2" 7" 8" 8" 8"	
 <p>NO. H-133 STRAIGHT PEIN SLEDGE</p>	<i>Catalog No. H-133</i> High Carbon Steel – Heat Treated Tool only..... 32" Handled Tool Tool only..... 36" Handled Tool Replacement 32" Handle 32" Safety Grip Handled Tool 36" Safety Grip Handled Tool Replacement 32" Safety Grip Handle..... Replacement 36" Safety Grip Handle.....	13310 13311 13340 13341 90002 13312 13342 90040 90026	8 lb. 8 lb. 12 lb. 12 lb. 1 3/4 lb. 8 lb. 12 lb. 2 lb. 2 lb.	1"x1 3/8" 1"x1 3/8" 1"x1 3/8" 1"x1 3/8" 1"x1 3/8" 1"x1 3/8" 1"x1 3/8" 1"x1 3/8" 1"x1 3/8"	6" 6" 8" 8" 6" 8" 8" 8"	
	<i>Catalog No. H-133</i> High Carbon Steel – Heat Treated Tool only..... 10 1/2" Handled Tool Replacement 10 1/2" Handle	13300 13301 90010	2 lb. 2 lb. 3/4 lb.	3/4"x1" 3/4"x1" 3/4"	5" 5" 5"	
 <p>NO. H-133 STRAIGHT INSPECTOR'S HAMMER</p>	<i>Catalog No. H-133</i> High Carbon Steel – Heat Treated Tool only..... 10 1/2" Handled Tool Replacement 10 1/2" Handle	13300 13301 90010	2 lb. 2 lb. 3/4 lb.	3/4"x1" 3/4"x1" 3/4"	5" 5" 5"	
 <p>NO. H-134 DOUBLE FACE SLEDGE</p>	<i>Catalog No. H-134</i> High Carbon Steel – Heat Treated Tool only 16" Handled Tool Tool only..... 16" Handled Tool Tool only..... 16" Handled Tool Tool only..... 16" Handled Tool Tool only..... 16" Handled Tool Tool only..... 32" Handled Tool Tool only..... 32" Handled Tool Tool only..... 36" Handled Tool Tool only..... 36" Handled Tool Tool only..... 36" Handled Tool Tool only..... 36" Handled Tool Tool only..... 36" Handled Tool Replacement 16" Handle Replacement 32" Handle Replacement 36" Handle Replacement 36" Handle	13410 13411 13420 13421 13430 13431 13440 13441 13450 13451 13460 13461 13470 13471 13480 13481 13490 13491 13400 13401 90007 90002 90003 90005*	2 lb. 2 lb. 2 1/2 lb. 2 1/2 lb. 3 lb. 3 lb. 4 lb. 4 lb. 6 lb. 6 lb. 8 lb. 8 lb. 10 lb. 10 lb. 12 lb. 12 lb. 16 lb. 16 lb. 20 lb.* 20 lb.* 1 lb. 1 3/4 lb. 2 lb. 2 lb.	3/4"x1" 3/4"x1" 3/4"x1" 3/4"x1" 3/4"x1" 3/4"x1" 3/4"x1" 3/4"x1" 1"x1 3/8" 1"x1 3/8" 1"x1 3/8" 1"x1 3/8" 1"x1 3/8" 1"x1 3/8" 1"x1 3/8" 1"x1 3/8" 1"x1 3/8" 1"x1 3/8" 1"x1 3/8" 1"x1 3/8" 1 1/4"x1 1/2" 1 1/4"x1 1/2" 1 1/4"x1 1/2" 1 1/4"x1 1/2"	4 1/4" 4 1/4" 4 1/2" 4 1/2" 4 3/4" 4 3/4" 5 1/4" 5 1/4" 6" 6" 6 1/2" 6 1/2" 7" 7" 7 1/2" 7 1/2" 8 1/4" 8 1/4" 8 3/4" 8 3/4" 8 3/4" 8 3/4"	

WARWOOD TOOL COMPANY

FORGED STEEL
HAND TOOLS



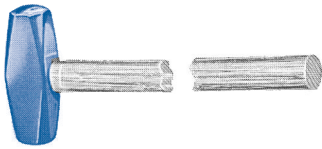
**NO. H-134
DOUBLE FACE SLEDGE**







NO. H-534-AB
Grade B Alloy
American Railway Association
Grade B Alloy Steel
AREMA PLAN13-08
with Contour Ground Faces

ITEM	STOCK NO.	WT.	EYE SIZE	TOOL LGTH.	NET
<i>Catalog No. H-134</i>					
16" Safety Grip Handled Tool	13412	2 lb.	3/4"x1"	4 1/4"	
16" Safety Grip Handled Tool	13422	2 1/2 lb.	3/4"x1"	4 1/2"	
16" Safety Grip Handled Tool	13432	3 lb.	3/4"x1"	4 3/4"	
16" Safety Grip Handled Tool	13442	4 lb.	3/4"x1"	5 1/4"	
32" Safety Grip Handled Tool	13452	6 lb.	1"x1 3/8"	6"	
32" Safety Grip Handled Tool	13462	8 lb.	1"x1 3/8"	6 1/2"	
36" Safety Grip Handled Tool	13472	10 lb.	1"x1 3/8"	7"	
36" Safety Grip Handled Tool	13482	12 lb.	1"x1 3/8"	7 1/2"	
36" Safety Grip Handled Tool	13492	16 lb.	1"x1 3/8"	8 1/4"	
Replacement 16" Safety Grip Handle.....	90025	1 lb.			
Replacement 32" Safety Grip Handle.....	90040	2 lb.			
Replacement 36" Safety Grip Handle.....	90026	2 lb.			
16" Fiberglass Handled Tool.....	13415	2 lb.	3/4"x1"	4 1/2"	
16" Fiberglass Handled Tool.....	13425	2 1/2 lb.	3/4"x1"	4 1/4"	
16" Fiberglass Handled Tool.....	13435	3 lb.	3/4"x1"	4 3/4"	
16" Fiberglass Handled Tool.....	13445	4 lb.	3/4"x1"	5 1/4"	
34" Fiberglass Handled Tool.....	13455	6 lb.	1"x1 3/8"	6"	
34" Fiberglass Handled Tool.....	13465	8 lb.	1"x1 3/8"	6 1/2"	
34" Fiberglass Handled Tool.....	13475	10 lb.	1"x1 3/8"	7"	
34" Fiberglass Handled Tool.....	13485	12 lb.	1"x1 3/8"	8"	
34" Fiberglass Handled Tool.....	13495	16 lb.	1"x1 3/8"	8 1/4"	
34" Fiberglass Handled Tool.....	13405	20 lb.	1 1/4"x1 1/2"	8 3/4"	
Replacement 16" Fiberglass Handle.....	90023	3/4 lb.			
Replacement 34" Fiberglass Handle.....	90024	2 lb.			
<i>Catalog No H-534-AB</i>					
Grade B Alloy Steel – Heat Treated					
Tool only	53310	2 lb.	3/4"x1"	4 1/4"	
16" Handled Tool	53311	2 lb.	3/4"x1"	4 1/4"	
Tool only	53400	3 lb.	3/4"x1"	4 3/4"	
16" Handled Tool	53401	3 lb.	3/4"x1"	4 3/4"	
Tool only	53410	4 lb.	3/4"x1"	5 1/4"	
16" Handled Tool	53411	4 lb.	3/4"x1"	5 1/4"	
Tool only	53420	6 lb.	1"x1 3/8"	6"	
32" Handled Tool	53421	6 lb.	1"x1 3/8"	6"	
Tool only	53430	8 lb.	1"x1 3/8"	6 1/2"	
32" Handled Tool	53431	8 lb.	1"x1 3/8"	6 1/2"	
Tool only	53440	10 lb.	1"x1 3/8"	7"	
36" Handled Tool	53441	10 lb.	1"x1 3/8"	7"	
Tool only	53450	12 lb.	1"x1 3/8"	7 1/2"	
36" Handled Tool	53451	12 lb.	1"x1 3/8"	7 1/2"	
Tool only	53460	16 lb.	1"x1 3/8"	8 1/4"	
36" Handled Tool	53461	16 lb.	1"x1 3/8"	8 1/4"	
Replacement 16" Handle	90007	1 lb.			
Replacement 32" Handle	90002	1 3/4 lb.			
Replacement 36" Handle	90003	2 lb.			
16" Safety Grip Handled Tool	53312	2 lb.	3/4"x1"	4 1/4"	
16" Safety Grip Handled Tool	53402	3 lb.	3/4"x1"	4 3/4"	
16" Safety Grip Handled Tool	53412	4 lb.	3/4"x1"	5 1/4"	
32" Safety Grip Handled Tool	53422	6 lb.	1"x1 3/8"	6"	
32" Safety Grip Handled Tool	53432	8 lb.	1"x1 3/8"	6 1/2"	
36" Safety Grip Handled Tool	53442	10 lb.	1"x1 3/8"	7"	
36" Safety Grip Handled Tool	53452	12 lb.	1"x1 3/8"	7 1/2"	
36" Safety Grip Handled Tool	53462	16 lb.	1"x1 3/8"	8 1/4"	
Replacement 16" Safety Grip Handle.....	90025	1 lb.			
Replacement 32" Safety Grip Handle.....	90040	2 lb.			
Replacement 36" Safety Grip Handle.....	90026	2 lb.			
16" Fiberglass Handled Tool.....	53315	2 lb.	3/4"x1"	4 1/4"	
16" Fiberglass Handled Tool.....	53405	3 lb.	3/4"x1"	4 3/4"	
16" Fiberglass Handled Tool.....	53415	4 lb.	3/4"x1"	5 1/4"	
34" Fiberglass Handled Tool.....	53425	6 lb.	1"x1 3/8"	6"	
34" Fiberglass Handled Tool.....	53435	8 lb.	1"x1 3/8"	6 1/2"	
34" Fiberglass Handled Tool.....	53445	10 lb.	1"x1 3/8"	7"	
34" Fiberglass Handled Tool.....	53455	12 lb.	1"x1 3/8"	7 1/2"	
34" Fiberglass Handled Tool.....	53465	16 lb.	1"x1 3/8"	8 1/4"	
Replacement 16" Fiberglass Handle.....	90023	3/4 lb.			
Replacement 34" Fiberglass Handle.....	90024	2 lb.			








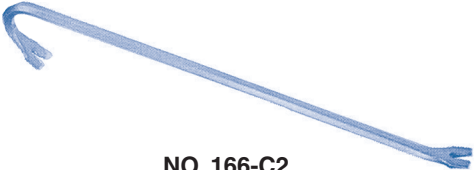
WARWOOD TOOL COMPANY

	ITEM	STOCK NO.	WT.	EYE SIZE	TOOL LGTH.	NET
 <p>NO. H-136 NAPPING HAMMER</p>	<i>Catalog No. H-136</i>					
	High Carbon Steel – Heat Treated					
	Tool only.....	13610	3 lb.	3/4"X1"		5 3/4"
	16" Handled Tool	13611	3 lb.	3/4"X1"		5 3/4"
	Tool only.....	13620	4 lb.	3/4"X1"		6 1/4"
	16" Handled Tool	13621	4 lb.	3/4"X1"		6 1/4"
	Tool only.....	13630	6 lb.	1"X1 3/8"	6 3/4"	
	32" Handled Tool	13631	6 lb.	1"X1 3/8"	6 3/4"	
	Replacement 16" Handle	90007	1 lb.			
	Replacement 32" Handle	90002	1 3/4 lb.			
	16" Safety Grip Handled Tool	13612	3 lb.	3/4"X1"	5 1/4"	
	16" Safety Grip Handled Tool	13622	4 lb.	3/4"X1"	6 1/4"	
	32" Safety Grip Handled Tool	13632	6 lb.	1"X1 3/8"	6 3/4"	
	Replacement 16" Safety Grip Handle.....	90025	1 lb.			
	Replacement 32" Safety Grip Handle.....	90040	2 lb.			

	ITEM	STOCK NO.	WT.	TOOL LGTH.	STOCK	NET
 <p>NO. 157 T-BAR DOUBLE CHISEL</p>	<i>Catalog No. 157</i>					
	High Carbon Steel					
		15770	3 1/4 lb.	27"	3/4" Rnd.	
 <p>NO. 158 OFFSET PINCH BAR</p>	<i>Catalog No. 158</i>					
	High Carbon Steel					
		15810	3/4 lb.	13 1/2"	1/2" Rnd.	
		15820	1 1/2 lb.	16"	5/8" Hex	
		15830	3 lb.	24"	3/4" Hex	
		15840	3 1/4 lb.	26"	3/4" Hex	
		15850	5 1/2 lb.	30"	7/8" Hex	
		15860	6 1/2 lb.	36"	7/8" Hex	
		15870	8 lb.	36"	1" Hex	
		15880	10 3/4 lb.	48"	1" Hex	
		15848	14 lb.	60"	1" Hex	
		15875	10 lb.	44"	1" Hex	
		15885	12 3/4 lb.	55"	1" Hex	
 <p>NO. 159 STRAIGHT FIT-UP PINCH BAR</p>	<i>Catalog No. 159</i>					
	High Carbon Steel					
		15910	3/4 lb.	14"	1/2" Rnd.	
		15920	1 1/2 lb.	16"	5/8" Hex	
		15930	3 lb.	24"	3/4" Hex	
		15940	3 1/4 lb.	26"	3/4" Hex	
		15950	5 1/2 lb.	30"	7/8" Hex	
		15960	6 1/2 lb.	36"	7/8" Hex	
		15970	8 lb.	36"	1" Hex	
		15980	10 3/4 lb.	48"	1" Hex	
 <p>NO. 160 PINCH POINT CROW BAR</p>	<i>Catalog No. 160</i>					
	High Carbon Steel					
		16010	3 lb.	29"	3/4" Sq.	
		16020	6 lb.	36"	7/8" Sq.	
		16030	10 lb.	48"	1" Sq.	
		16040	12 lb.	51"	1 1/8" Sq.	
		16050	14 lb.	54"	1 1/8" Sq.	
		16060	16 lb.	57"	1 1/4" Sq.	
		16070	18 lb.	60"	1 1/4" Sq.	
		16080	22 lb.	63"	1 3/8" Sq.	
		16090	26 lb.	66"	1 1/2" Sq.	

WARWOOD TOOL COMPANY







FORGED STEEL
HAND TOOLS

	ITEM	STOCK NO.	WT.	TOOL LGTH.	STOCK	NET
 <p>NO. 161 WEDGE POINT CROW BAR</p>	<i>Catalog No. 161</i> High Carbon Steel	16110	3 lb.	29"	3/4" Sq.	
		16120	6 lb.	36"	7/8" Sq.	
		16130	10 lb.	48"	1" Sq.	
		16140	12 lb.	51"	1 1/8" Sq.	
		16150	14 lb.	54"	1 1/8" Sq.	
		16160	16 lb.	57"	1 1/4" Sq.	
		16170	18 lb.	60"	1 1/4" Sq.	
		16180	22 lb.	63"	1 3/8" Sq.	
		16190	26 lb.	66"	1 1/2" Sq.	
 <p>NO. 162 DIAMOND POINT LINING BAR</p>	<i>Catalog No. 162</i> High Carbon Steel	16210	18 lb.	60"	1 1/4" Sq.	
		16220	22 lb.	63"	1 3/8" Sq.	
		16230	26 lb.	66"	1 1/2" Sq.	
 <p>NO. 164 TELEGRAPH LINING BAR</p>	<i>Catalog No. 164</i> High Carbon Steel Pencil Point	16400	21 lb.	6'	1 1/8" Hex	
		16410	28 lb.	8'	1 1/8" Hex	
		16430	24 lb.	7'	1 1/8" Hex	
		16460	19 lb.	5'	1 1/8" Hex	
 <p>NO. SP-164 SAN ANGELO DIGGING BAR</p>	<i>Catalog No. SP-164</i> High Carbon Steel Round Point	26410	11 lb.	5'	7/8" Hex	
		26420	13 lb.	6'	7/8" Hex	
		26440	14 lb.	5'	1" Hex	
		26450	17 lb.	6'	1" Hex	
		26460	20 lb.	7'	1" Hex	
 <p>NO. 164-B BLUNT END DIGGING BAR</p>	<i>Catalog No. 164-B</i> High Carbon Steel	16405	7 1/2 lb.	2'	1 1/8" Hex	
		16465	15 lb.	4'	1 1/8" Hex	
		16466	22 1/2 lb.	6'	1 1/8" Hex	
		16412	30 lb.	8'	1 1/8" Hex	
 <p>NO. 165 POST HOLE DIGGER & TAMPING BAR</p>	<i>Catalog No. 165</i> High Carbon Steel	16500	13 lb.	4 1/2'	1" Rnd.	
		16510	17 lb.	6'	1" Rnd.	
		16520	23 lb.	8'	1" Rnd.	
		16530	25 1/2 lb.	9'	1" Rnd.	
 <p>NO. 166 WARWOOD STANDARD WRECKING BAR</p>	<i>Catalog No. 166</i> High Carbon Steel	16610	1 lb.	12"	1/2" Hex	
		16620	2 lb.	18"	5/8" Hex	
		16630	3 1/2 lb.	24"	3/4" Hex	
		16640	4 1/4 lb.	30"	3/4" Hex	
		16650	5 1/4 lb.	36"	3/4" Hex	
		16660	7 1/2 lb.	36"	7/8" Hex	
		16670	12 1/2 lb.	48"	1" Hex	
		16690	14 lb.	60"	1" Hex	
 <p>NO. 166-C2 WARWOOD DOUBLE CLAW WRECKING BAR</p>	<i>Catalog No. 166-C2</i> High Carbon Steel	16632	3 1/2 lb.	24"	3/4" Hex	
		16642	4 1/4 lb.	30"	3/4" Hex	
		16652	5 1/4 lb.	36"	3/4" Hex	

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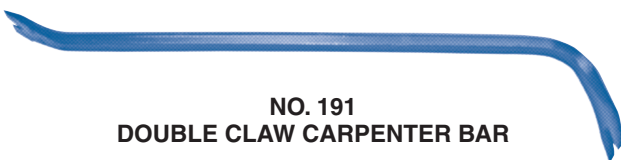


WARWOOD TOOL COMPANY

FORGED STEEL
HAND TOOLS

	ITEM	STOCK NO.	WT.	TOOL LGTH.	STOCK	NET
 <p>NO. 167 ANCHOR AND NAIL EXTRACTOR</p>	<i>Catalog No. 167</i> With Rubber Grip	16750	1 lb.	9"	5/8" Rnd.	
 <p>NO. 168 WARWOOD HEAT TREATED WRECKING BAR</p>	<i>Catalog No. 168</i> High Carbon Steel – Heat Treated	16820 16830 16840 16850 16860 16890	3½ lb. 4¼ lb. 5¼ lb. 7½ lb. 12½ lb. 14 lb.	24" 30" 36" 36" 48" 60"	¾" Hex ¾" Hex ¾" Hex 7/8" Hex 1" Hex 1" Hex	
 <p>NO. 169 TIMBER BAR</p>	<i>Catalog No. 169</i> High Carbon Steel Diamond Point	16910	18 lb.	60"	1½" Hex	
 <p>NO. 170 PINCH BAR with HEEL</p>	<i>Catalog No. 170</i> High Carbon Steel	17010	26 lb.	66"	1½" RCS	
 <p>NO. 171 ROLLING HEAD PRY BAR</p>	<i>Catalog No. 171</i> High Carbon Steel	17100	1 lb.	16"	9/16" Rnd.	
 <p>NO. 172 STRIPPING BAR CLAW & CHISEL ENDS</p>	<i>Catalog No. 172</i> High Carbon Steel	17210 17220 17230 17240 17250 17260	5¼ lb. 8½ lb. 12½ lb. 12½ lb. 18 lb. 16 lb.	36" 42" 48" 48" 72" 60"	¾" Hex 7/8" Hex 1" Hex 7/8" Hex 1" Hex 1" Hex	

WARWOOD TOOL COMPANY








FORGED STEEL
HAND TOOLS

	ITEM	STOCK NO.	WT.	TOOL LGTH.	STOCK	NET
 <p>NO. 173 STRIPPING BAR DOUBLE CHISEL ENDS</p>	<i>Catalog No. 173</i> High Carbon Steel	17310	5¼ lb.	36"	¾" Hex	
		17320	8½ lb.	42"	7⁄8" Hex	
		17330	12½ lb.	48"	1" Hex	
		17350	12½ lb.	48"	7⁄8" Hex	
		17355	16 lb.	60"	1" Hex	
		17360	18 lb.	72"	1" Hex	
 <p>NO. 174 BUGGY BAR</p>	<i>Catalog No. 174</i> High Carbon Steel	17430	4¼ lb.	30"	¾" Hex	
 <p>NO. 175 STRAIGHT PINCH BAR</p>	<i>Catalog No. 175</i> High Carbon Steel	17510	¾ lb.	11⅞"	9⁄16" Rnd.	
 <p>NO. 176 WAREHOUSE LOADING or JIMMY BAR</p>	<i>Catalog No. 176</i> High Carbon Steel Rat Tail	17610	14 lb.	54"	1⅞" Sq.	
		17620	18 lb.	60"	1¾" Sq.	
		17625	22 lb.	63"	1⅜" Sq.	
		17630	26 lb.	66"	1½" Sq.	
 <p>NO. 191 DOUBLE CLAW CARPENTER BAR</p>	<i>Catalog No. 191</i> High Carbon Steel	19110	3½ lb.	24"	¾" Hex	
 <p>NO. 277 PRY BAR</p>	<i>Catalog No. 277</i> High Carbon Steel	27706	¾ lb.	12"	½" Hex	
 <p>NO. 352 CHISEL BAR</p>	<i>Catalog No. 352</i> High Carbon Steel	35204	2½ lb.	18"	¾" Hex	
		35210	2½ lb.	18"	5⁄8" Hex	
		35215	3½ lb.	27"	¾" Rnd.	
		35230	9 lb.	36"	1" Hex	
		35240	30 lb.	10'	1" Hex	
		35250	12½ lb.	51"	5⁄8" Hex	

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WARWOOD TOOL COMPANY

FORGED STEEL
HAND TOOLS

	ITEM	STOCK NO.	WT.	TOOL LGTH.	STOCK	NET
 <p>NO. 510 SLATE BAR</p>	<i>Catalog No. 510</i> High Carbon Steel Diamond Point	51005	8 lb.	3'	1" Hex	
		51010	11 lb.	4'	1" Hex	
		51020	12½ lb.	4½'	1" Hex	
		51030	14 lb.	5'	1" Hex	
		51045	17 lb.	6'	1" Hex	
 <p>NO. 510 - B BLUNT END CHISEL SLATE BAR</p>	<i>Catalog No. 510-B</i> High Carbon Steel	51092	13 lb.	6'	7/8" Hex	
 <p>NO. 511 MINE PINCH BAR</p>	<i>Catalog No. 511</i> High Carbon Steel Blunt End	51110	14 lb.	4½'	1½" Sq.	
 <p>NO. 513 SHIP SCRAPER/DOUBLE END SCRAPERS</p>	<i>Catalog No. 513</i> High Carbon Steel	51310	1 lb.	15"	¼"x1"	
 <p>NO. 514 TRUCKMANS BENT CHISEL SLATE BAR</p>	<i>Catalog No. 514</i> High Carbon Steel Diamond Point	51410	11 lb.	48"	1" Hex	
		51420	12½ lb.	54"	1" Hex	
		51430	14 lb.	60"	1" Hex	
		51440	18 lb.	60"	1¼" Hex	
		51450	21 lb.	72"	1¼" Hex	
 <p>NO. 515 CONNECTING BAR</p>	<i>Catalog No. 515</i> High Carbon Steel Round Point	51510	4 lb.	30"	¾" Hex	
		51520	5 lb.	30"	7/8" Hex	
		51530	7 lb.	36"	7/8" Hex	
		51540	11 lb.	48"	1" Hex	
		51560	18 lb.	60"	1" Hex	
 <p>NO. 516 CONSTRUCTION STRAIGHT CHISEL SLATE BAR</p>	<i>Catalog No. 516</i> High Carbon Steel Diamond Point	51610	12½ lb.	52½"	1" Hex	
		51620	14 lb.	60"	1" Hex	
		51630	18 lb.	60"	1½" Hex	
		51640	19 lb.	60"	1¼" Hex	
		51650	21 lb.	72"	1" Hex	
		51655	21 lb.	72"	1¼" Hex	
		51660	21 lb.	72"	1½" Hex	



WARWOOD TOOL COMPANY

FORGED STEEL
HAND TOOLS

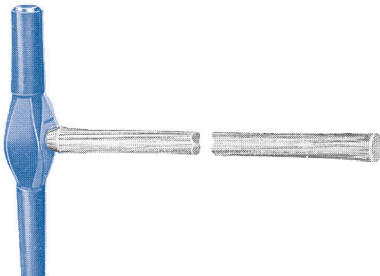
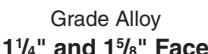

	ITEM	STOCK NO.	WT.	TOOL LGTH.	STOCK	NET
 <p>NO. 550 PEERLESS or PENCIL POINT BAR</p>	<i>Catalog No. 550</i> High Carbon Steel	55010	A=3" Point B=6" Point 14 lb. A 14 lb. B 17 lb. A 17 lb. B	60"	1" Hex	
		55020		60"	1" Hex	
		55030		72"	1" Hex	
		55040		72"	1" Hex	
 <p>NO. 561 WAREHOUSE BAR OFFSET STRAIGHT SMALL CHISEL</p>	<i>Catalog No. 561</i> High Carbon Steel	56110	11 lb.	4'	1" Hex	
		56120	14 lb.	5'	1" Hex	
		56130	17 lb.	6'	1" Hex	
 <p>NO. 661 DIE SETTING UP U-SHAPED PRY BAR</p>	<i>Catalog No. 661</i> High Carbon Steel	66110	1 3/4 lb.	18"	5/8" Hex	
		66120	4 lb.	30"	3/4" Hex	
 <p>NO. 14-T CHISEL END TAMPING BAR</p>	<i>Catalog No. 14-T</i> High Carbon Steel AREMA Plan 14-02	01400	15 lb.	61"	Shaft 7/8" Dia. Rnd.	
 <p>NO. 444 PULLER HOOK BAR</p>	<i>Catalog 444</i> High Carbon Steel 90° Turn of Handle	44410	2 3/4 lb.	18"	5/8" Hex	
		44420	3 lb.	26"	5/8" Hex	
		44425	3 1/2 lb.	30"	5/8" Hex	
		44430	4 lb.	36"	5/8" Hex	
		44440	4 1/2 lb.	26"	3/4" Hex	
		44450	4 3/4 lb.	30"	3/4" Hex	
		44460	6 lb.	36"	3/4" Hex	
 <p>NO. 454 MANHOLE COVER LIFTERS</p>	<i>Catalog No. 454</i> High Carbon Steel Tool Lays Flat	45410	2 3/4 lb.	18"	5/8" Hex	
		45420	3 lb.	26"	5/8" Hex	
		45425	3 1/2 lb.	30"	5/8" Hex	
		45430	4 lb.	36"	5/8" Hex	
		45440	4 1/2 lb.	26"	3/4" Hex	
		45450	4 3/4 lb.	30"	3/4" Hex	
		45460	6 lb.	36"	3/4" Hex	

WARWOOD TOOL COMPANY

FORGED STEEL
HAND TOOLS


	ITEM	STOCK NO.	WT.	TOOL SIZE	NET
 <p>NO. H-455 HOT CUTTING CHISEL</p>	<i>Catalog No. H-455</i>				
	Heat Treated				
	Tool only.....	45520	3 lb.	Bit 2"	
	16" Handled Tool	45521	3 lb.	Bit 2"	
	Tool only.....	45530	5 lb.	Bit 2 1/4"	
	24" Handled Tool	45531	5 lb.	Bit 2 1/4"	
	Replacement 16" Handle	90007	1 lb.		
	Replacement 24" Handle	90009	1 1/2 lb.		
 <p>NO. H-456 COLD CUTTING CHISEL</p>	<i>Catalog No. H-456</i>				
	Heat Treated				
	Tool only.....	45610	2 lb.	Bit 1 1/4"	
	16" Handled Tool	45611	2 lb.	Bit 1 1/4"	
	Tool only.....	45620	3 lb.	Bit 1 1/2"	
	16" Handled Tool	45621	3 lb.	Bit 1 1/2"	
	Tool only.....	45630	5 lb.	Bit 1 3/4"	
	24" Handled Tool	45631	5 lb.	Bit 1 3/4"	
	Replacement 16" Handle	90007	1 lb.		
	Replacement 24" Handle	90009	1 1/2 lb.		


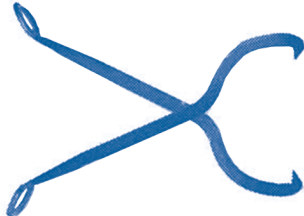
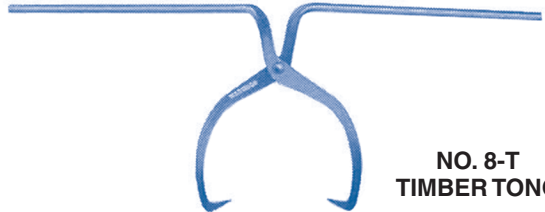
Railroad Track Maintenance Tools


	ITEM	STOCK NO.	WT.	EYE SIZE	TOOL LGTH.	NET
 <p>NO. H-3-T SPIKE MAUL Bell Pattern</p>	<i>Catalog No. H-3-T</i>					
	Bell Pattern					
	High Carbon Steel – Heat Treated					
	Tool only.....	00300	10 lb.	1"x1 3/8"	15"	
	36" Handled Tool	00301	10 lb.	1"x1 3/8"	15"	
	34" Fiberglass Handled Tool.....	00305	10 lb.	1"x1 3/8"	15"	
	Tool only.....	00320	8 lb.	1"x1 3/8"	12"	
	36" Handled Tool	00321	8 lb.	1"x1 3/8"	12"	
	34" Fiberglass Handled Tool.....	00325	8 lb.	1"x1 3/8"	12"	
	Replacement 36" Handle	90003	2 lb.			
	Replacement 34" Fiberglass Handle.....	90024	2 lb.			
	36" Safety Grip Handled Tool	00302	10 lb.	1"x1 3/8"	15"	
	36" Safety Grip Handled Tool	00322	8 lb.	1"x1 3/8"	12"	
	Replacement 36" Safety Grip Handle.....	90026	2 lb.			
 <p>NO. H-3-T-AB Grade Alloy 1 1/4" and 1 5/8" Face</p>	<i>Catalog No. H-3-T-AB</i>					
	Grade B Alloy Steel					
	Tool only.....	50360	10 lb.	1"x1 3/8"	15"	
	36" Handled Tool	50361	10 lb.	1"x1 3/8"	15"	
	34" Fiberglass Handled Tool.....	50365	10 lb.	1"x1 3/8"	15"	
	AREMA PLAN 3-08					
	Replacement 36" Handle	90003	2 lb.			
	Replacement 34" Fiberglass Handle.....	90024	2 lb.			
 <p>NO. H-3 1/2-T SPIKE MAUL Standard Pattern</p>	<i>Catalog No. H-3 1/2-T</i>					
	Standard Pattern					
	High Carbon Steel – Heat Treated					
	Tool only.....	00380	8 lb.	1"x1 3/8"	12"	
	36" Handled Tool	00381	8 lb.	1"x1 3/8"	12"	
	34" Fiberglass Handled Tool.....	00385	8 lb.	1"x1 3/8"	12"	
	Tool only.....	00390	10 lb.	1"x1 3/8"	13"	
	36" Handled Tool	00391	10 lb.	1"x1 3/8"	13"	
	34" Fiberglass Handled Tool.....	00395	10 lb.	1"x1 3/8"	13"	
	Replacement 36" Handle	90003	2 lb.			
	Replacement 34" Fiberglass Handle.....	90024	2 lb.			
	36" Safety Grip Handled Tool	00382	8 lb.	1"x1 3/8"	12"	
	36" Safety Grip Handled Tool	00392	10 lb.	1"x1 3/8"	13"	
	Replacement 36" Safety Grip Handle.....	90026	2 lb.			

WARWOOD TOOL COMPANY

FORGED STEEL
HAND TOOLS



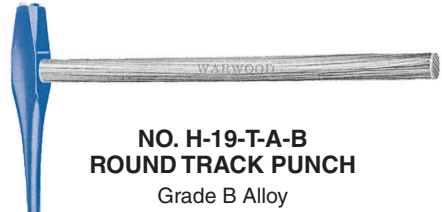
	ITEM	STOCK NO.	BOLT SIZE	JAW OPENING	NET
 <p>NO. 4-T-DE DOUBLE END TRACK WRENCH</p>	<i>Catalog No. 4-T-DE</i> High Carbon Steel AREMA PLAN 4-13 CALL FOR NUT SIZE	41010 41020 41030 41040 41050	$\frac{3}{4}$ " & $\frac{7}{8}$ " $\frac{7}{8}$ " & 1" 1" & $1\frac{1}{8}$ " $1\frac{1}{8}$ " & $1\frac{1}{4}$ " $1\frac{1}{4}$ " & $1\frac{3}{8}$ "	$1\frac{5}{16}$ " & $1\frac{1}{2}$ " $1\frac{1}{2}$ " & $1\frac{11}{16}$ " $1\frac{11}{16}$ " & $1\frac{7}{8}$ " $1\frac{7}{8}$ " & $2\frac{1}{16}$ " $2\frac{1}{16}$ " & $2\frac{1}{4}$ "	
	<i>Catalog No. 4-T-SE</i> High Carbon Steel AREMA PLAN 4-13 CALL FOR NUT SIZE	42010 42020 42030 42040 42050 42060	$\frac{3}{4}$ " $\frac{7}{8}$ " 1" $1\frac{1}{8}$ " $1\frac{1}{4}$ " $1\frac{3}{8}$ "	$1\frac{5}{16}$ " $1\frac{1}{2}$ " $1\frac{11}{16}$ " $1\frac{7}{8}$ " $2\frac{1}{16}$ " $2\frac{1}{4}$ "	


	ITEM	STOCK NO.	WT.	NET
 <p>NO. 6-T RAIL TONG</p>	<i>Catalog No. 6-T</i> AREMA PLAN 6-02 Distance across handles 44"	00600	18 lb.	
			Max jaw opening $3\frac{3}{4}$"	
 <p>NO. 7-T TIE TONG</p>	<i>Catalog No. 7-T</i> One-Man Type AREMA PLAN 7-10	00700	10 lb.	
			Max jaw opening $15\frac{1}{2}$" 29" Length	
 <p>NO. 8-T TIMBER TONG</p>	<i>Catalog No. 8-T</i> Two-Man Type AREMA PLAN 8-10 Distance across handles $41\frac{3}{4}$ "	00800	12 lb.	
			Max jaw opening $15\frac{1}{2}$"	

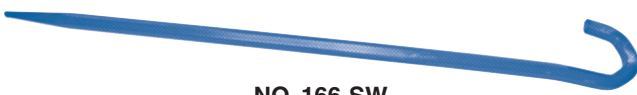
	ITEM	STOCK NO.	WT.	JAW OPENING	NET
 <p>NO. 9-T SPIKE PULLER – 4 BALL</p>	<i>Catalog No. 9-T</i> High Carbon Steel AREMA PLAN 9-10 4 Ball	09000	$2\frac{1}{2}$ lb. 12" Length	$\frac{3}{4}$ "	

WARWOOD TOOL COMPANY

FORGED STEEL
HAND TOOLS


	ITEM	STOCK NO.	WT.	SIZE	NET
 <p>NO. H-17-T-A-B TRACK CHISEL Slim Pattern Grade B Alloy</p>	<i>Catalog No. H-17-T-A-B</i> Grade B Alloy Steel AREMA PLAN 17-08 Tool only 51700 24" Handled Tool 51701 Non Slip Grip 36" Handle 51702 Replacement 24" Handle 90009 Replacement 36" Non Slip Grip 90030		5½ lb. 5½ lb. 5½ lb. 1½ lb. 2 lb.		
	<i>Catalog No. H-17-T-A-S-B</i> Grade B Alloy Steel AREMA PLAN 35-08 Tool only 51710 24" Handled Tool 51711 Replacement 24" Handle 90009		5½ lb. 5½ lb. 1½ lb.		
 <p>NO. H-18-T-A-B TIE PLUG PUNCH Grade B Alloy</p>	<i>Catalog No. H-18-T-A-B</i> Grade B Alloy Steel AREMA PLAN 18-11 Tool only 21800 24" Handled Tool 21801 36" Handled Tool 21802 Replacement 24" Handle 90009 Replacement 36" Handle 90003		5 lb. 5 lb. 5 lb. 1½ lb. 2 lb.	½" Sq. ½" Sq. ½" Sq.	
 <p>NO. H-19-T-A-B ROUND TRACK PUNCH Grade B Alloy</p>	<i>Catalog No. H-19-T-A-B</i> Grade B Alloy Steel AREMA PLAN 19-11 Tool only 21900 24" Handled Tool 21901 36" Handled Tool 21902 Replacement 24" Handle 90009 Replacement 36" Handle 90003		7½ lb. 7½ lb. 7½ lb. 1½ lb. 2 lb.	11/16" Dia. 11/16" Dia. 11/16" Dia.	


	ITEM	STOCK NO.	WT.	TOOL LGTH.	AREA OR AREMA PLAN	NET
 <p>NO. 163 CLAW BAR</p> <p>AREA PLAN 11-39 PLAN-A</p> <p>AREA PLAN 11-62 PLAN B</p> <p>AREMA PLAN 11-10 PLAN C</p>	<i>Catalog No. 163</i> High Carbon Steel – Heat Treated 16310 16320 16330		27 lb. 27 lb. 27 lb.	60" 60" 60"	11-39 11-62 11-10	
	<i>Catalog No. 263</i> High Carbon Steel – Heat Treated Claw Bar for Mini Railroad Spikes 26360 26375		24 lb. 24 lb.	57" 57"	Slot Size 3/8"x2½" or larger Slot Size ½"x4" Spikes	

	ITEM	STOCK NO.	WT.	TOOL LGTH.	STOCK	NET
 <p>NO. 166-SW AIR HOSE WRENCH</p>	<i>Catalog No. 166-SW</i> High Carbon Steel 16680		4½ lb.	36"	¾" Hex	

WARWOOD TOOL COMPANY


FORGED STEEL
HAND TOOLS


	ITEM	STOCK NO.	BOLT SIZE	JAW OPENING	NET
 <p>NO. 301 CONSTRUCTION WRENCH</p> <p>NO. 302-H HEAVY</p>	<i>Catalog No. 301</i> High Carbon Steel – Heat Treated	30120 30130 30140 30150 30160	1/2" 5/8" 3/4" 7/8" 1"	13/16" 1" 1 1/8" 1 5/16" 1 1/2"	
	<i>Catalog No. 302-H</i> Heavy High Carbon Steel – Heat Treated	30230 30240 30250 30260	5/8" 3/4" 7/8" 1"	1 1/16" 1 1/4" 1 7/16" 1 5/8"	



	ITEM	STOCK NO.	WT.	SIZE	NET
 <p>NO. H-324 BACKING OUT PUNCH</p>	<i>Catalog No. H-324</i> High Carbon Steel – Heat Treated				
	Tool only	32410	1 lb.	3/8" Dia.	
	16" Handled Tool	32411	1 lb.	3/8" Dia.	
	Tool only	32420	1 3/4 lb.	1/2" Dia.	
	16" Handled Tool	32421	1 3/4 lb.	1/2" Dia.	
	Tool only	32430	2 lb.	5/8" Dia.	
	16" Handled Tool	32431	2 lb.	5/8" Dia.	
	Tool only	32440	2 1/2 lb.	3/4" Dia.	
	16" Handled Tool	32441	2 1/2 lb.	3/4" Dia.	
	Tool only	32450	3 lb.	7/8" Dia.	
	16" Handled Tool	32451	3 lb.	7/8" Dia.	
	Tool only	32460	3 1/2 lb.	1" Dia.	
	16" Handled Tool	32461	3 1/2 lb.	1" Dia.	
	Replacement 16" Handle	90007	1 lb.		
	16" Safety Grip Handled Tool	32412	1 lb.	3/8" Dia.	
	16" Safety Grip Handled Tool	32422	1 3/4 lb.	1/2" Dia.	
	16" Safety Grip Handled Tool	32432	2 lb.	5/8" Dia.	
	16" Safety Grip Handled Tool	32442	2 1/2 lb.	3/4" Dia.	
	16" Safety Grip Handled Tool	32452	3 lb.	7/8" Dia.	
	16" Safety Grip Handled Tool	32462	3 1/2 lb.	1" Dia.	
	Replacement 16" Safety Grip Handle.....	90025	1 lb.		
	16" Fiberglass Handled Tool.....	32415	1 lb.	3/8" Dia.	
	16" Fiberglass Handled Tool.....	32425	1 3/4 lb.	1/2" Dia.	
	16" Fiberglass Handled Tool.....	32435	2 lb.	5/8" Dia.	
	16" Fiberglass Handled Tool.....	32445	2 1/2 lb.	3/4" Dia.	
	16" Fiberglass Handled Tool.....	32455	3 lb.	7/8" Dia.	
	16" Fiberglass Handled Tool.....	32465	3 1/2 lb.	1" Dia.	
	Replacement 16" Fiberglass Handle	90023	1 lb.		

WARWOOD TOOL COMPANY

FORGED STEEL
HAND TOOLS

	ITEM	STOCK NO.	WT.	SIZE	NET
 <p>NO. H-467 ROUND PUNCH</p>	<i>Catalog No. H-467</i>				
	High Carbon Steel – Heat Treated				
	Tool only.....	46730	2 lb.	1/2" Dia.	
	16" Handled Tool.....	46731	2 lb.	1/2" Dia.	
	Tool only.....	46740	2 1/4 lb.	5/8" Dia.	
	16" Handled Tool.....	46741	2 1/4 lb.	5/8" Dia.	
	Tool only.....	46750	2 1/2 lb.	3/4" Dia.	
	16" Handled Tool.....	46751	2 1/2 lb.	3/4" Dia.	
	Tool only.....	46760	2 3/4 lb.	7/8" Dia.	
	16" Handled Tool.....	46761	2 3/4 lb.	7/8" Dia.	
	Tool only.....	46770	3 lb.	1" Dia.	
	16" Handled Tool.....	46771	3 lb.	1" Dia.	
	Replacement 16" Handle.....	90007	1 lb.		
	16" Safety Grip Handled Tool.....	46732	2 lb.	1/2" Dia.	
	16" Safety Grip Handled Tool.....	46742	2 1/4 lb.	5/8" Dia.	
	16" Safety Grip Handled Tool.....	46752	2 1/2 lb.	3/4" Dia.	
	16" Safety Grip Handled Tool.....	46762	2 3/4 lb.	7/8" Dia.	
	16" Safety Grip Handled Tool.....	46772	3 lb.	1" Dia.	
	Replacement 16" Safety Grip Handle.....	90025	1 lb.		

	ITEM	STOCK NO.	SIZE SWELL	TOOL LGTH.	HOLE SIZE	NET
 <p>NO. 334 DRIFT PIN</p>	<i>Catalog No. 334</i>					
	Short Barrel Type					
	High Carbon Steel					
		33420	9/16" Dia.	6 1/2"	1/2" Dia.	
		33430	11/16" Dia.	7"	5/8" Dia.	
		33440	13/16" Dia.	7 1/2"	3/4" Dia.	
		33450	15/16" Dia.	8"	7/8" Dia.	
		33460	1 1/16" Dia.	8 1/2"	1" Dia.	
		33470	1 3/16" Dia.	10"	1 1/8" Dia.	
		33480	1 5/16" Dia.	11"	1 1/4" Dia.	

	ITEM	STOCK NO.	SIZE SWELL	TOOL LGTH.	POINT SIZE	NET
 <p>NO. 336 BULL PIN</p>	<i>Catalog No. 336</i>					
	High Carbon Steel					
		33600	15/16" Dia.	15"	5/16" Dia.	
		33610	1 1/16" Dia.	12"	3/8" Dia.	
		33620	1 1/16" Dia.	15"	3/8" Dia.	
		33630	1 3/16" Dia.	15"	7/16" Dia.	
		33640	1 1/4" Dia.	12"	7/16" Dia.	
		33650	1 5/16" Dia.	12"	7/16" Dia.	
	<i>Catalog No. 338</i>					
	High Carbon Steel					
 <p>NO. 338 BROAD HEAD PULL PIN</p>		33810	1 1/16" Dia.	10"	1/4" Dia.	
		33820	1 1/4" Dia.	13"	5/16" Dia.	

REPLACEMENT HANDLES ONLY

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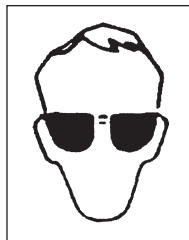
090002	32" SLEDGE HANDLE 1¾ lb.
090003	36" SLEDGE HANDLE 2 lb.
090005	36" SLEDGE HANDLE FOR 20 lb. 2 lb.
090007	16" SLEDGE HANDLE & B/O HANDLE 1 lb.
090008	16" MASON HAMMER HANDLE 1 lb.
090009	24" TRACK CHISEL & PUNCH HANDLE 1½ lb.
090010	10½" DRILLING HAMMER HANDLE ½ lb.
090011	16" DRIVING HAMMER HANDLE ½ lb.
090013	#10 EYE COAL & POLL PICK HANDLE 2 lb.
090015	34" FOREST/TRACK ADZE HANDLE 1½ lb.
090020	# 6 EYE CUTTER/PICK MATTOCK HANDLE 2¼ lb.
090022	# 7 EYE CUTTER MATTOCK HANDLE 1¾ lb.
090023	16" FIBERGLASS HANDLE 1 lb.
090024	34" FIBERGLASS HANDLE 2 lb.
090025	16" NON SLIP GRIP HANDLE 1 lb.
090026	36" NON SLIP GRIP HANDLE 2 lb.
090027	36" GRUB HOE HANDLE 1¾ lb.
090030	36" NON SLIP GRIP HANDLE - TRACK CHISEL 2 lb.
090031	36" TRACK CHISEL/PUNCH HANDLE 1½ lb.
090040	32" NON SLIP GRIP HANDLE 1¾ lb.
090041	36" SPIKE/SLEDGE HANDLE 1¾ lb.
090042	32" AXE EYE MAUL HANDLE 1¾ lb.

WEDGES FOR PLACEMENT HANDLES

90T100.....	METAL TRIANGLE WEDGE.....- SMALL HAMMERS ONLY
90T110.....	METAL TRIANGLE WEDGE.....- LARGE HAMMERS ONLY
90W200	SMALL WOODEN WEDGE.....- ¾" x 1" SMALL EYE SIZE
90W210	LARGE WOODEN WEDGE.....- 1" x 1⅜" LARGE EYE SIZE
90S300.....	SMALL RD STEEL WEDGE.....- ¾" x 1" SMALL EYE SIZE
90S310.....	LARGE RD STEEL WEDGE.....- 1" x 1⅜" LARGE EYE SIZE

SAFETY GRIP HANDLES ARE ORANGE

ALL AMERICAN MADE TOOLS



PROTECT YOUR EYES

When using ...
or in a striking tool zone

Wear Safety Goggles

Eye Specifications

The shapes of the eyes of the different tools listed and described in the preceding pages are designated by numbers corresponding to those of the U.S Dept. of Commerce Heavy Forged Hand Tools, Simplified Practice Recommendation—R17-47, effective October 15, 1947.

Eye formula:

A—Size of stock.
B—40 percent of A.
C—125 percent of B
approximate.

D—5/6 of B.

E—To suit dimensions B, C, and D.

Note—Warwood Tools have a tolerance limit of 1/16 in. above and 3/16 in. under all eyes to allow for punch wear.

On eyes #2, 3, 4—
3° taper on cross section.

4° taper on long section.

